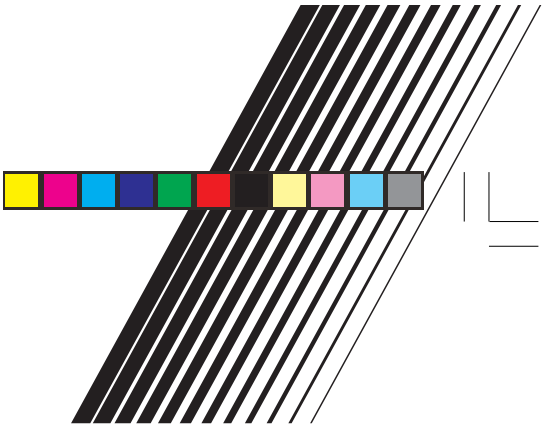

EQUALIZER • CINEMA SURROUND • COMPONENT INPUT

Contents

Knowing your TV's features 3
Remote control buttons and basic functions 4
TV buttons and functions 6
Setting up your TV 7
Basic setting for picture 9
Advanced setting for picture 11
Basic setting for sound 12
Advanced setting for sound 13
DVD function 14
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INSTRUCTIONS

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for buying this JVC colour television.
your new TV, please read this manual thoroughly before you begin.

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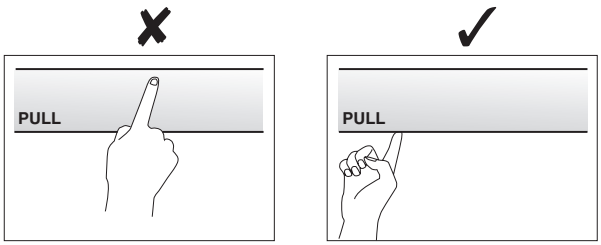
areful with it
d, wipe it
cleaner or

7 If you are not going to use this TV for a long period of time, be sure to disconnect the AC plug from the AC socket.
8 The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING: <AV-21M, AV-25M Series>
YOU CAN DETACH THE PROTECT SHEET ON THE TOP AND BOTTOM OF FRONT FRAME IF YOU NEEDED.
THE FRONT BUTTON DOOR OF THE TV SHOULD BE PULLED OUT FROM ITS BOTTOM. DO NOT PRESS THE UPPER PART, OR YOUR FINGER MAY BE PINCHED.



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ust connect DVD player to the television. The television will detect DVD signal and display icture on the screen automatically and you can adjust pictures and sound while you are atching DVD as your desire.
ou can register up to four favorite channels for quick recall with one press.
V detects the brightness of your room and automatically adjust the picture brightness to a uitable level for a better eye care.
V adjusts the volume automatically to the same level for all TV channels to avoid sudden hange of the volume when selecting different TV channel or selecting Video Mode.
ou can reduce the picture noise when viewing noisy TV programmes or video sources.
ou can choose one of three tones of white to match to the video source such as movie, port, etc. Changing White balance affects the appearance of all other colours on the creen.

ons

this instruction manual may not be available for your TV.
w and check the functions that are equipped for your TV's model number. The l at the rear of your TV. When you press a button concerned to a function that is t does not work and the logo "Ø" appears on the screen.

Model No.	AV-25M335	AV-25M315	AV-25V315	AV-21M335	AV-21M315	AV-21V315
	○	–	–	○	–	–

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nd basic functions

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ction.

ton to EXIT from the menu.

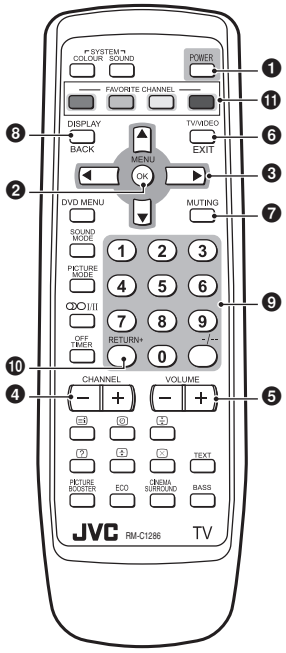
olume.
o terminal number, stereo/bilingual broadcast system

R list.
splay the PR list.
se a channel, then press the MENU/OK button.
n the PR list. The channels set to favorite channels are

ton to return to the previous menu.
digits programme number, press -/--, then press the

l with one touch.
egister.
until “RETURN PLUS PROGRAMMED!” appears.
button until “RETURN PLUS CANCELED!” appears.
nnel, if you have not set or have cancelled the Return

egister then press and hold a colour button until
MMED!" appears.
epeat step 1.
colour button.
rite channel function is not available.



continued)

	Top menu	2nd menu	Location	3rd menu	Location
MENU	PICTURE	PICTURE MODE	P.9	–	–
		PICTURE SETTING	P.10	CONTRAST	P.10
				BRIGHT	P.10
				SHARP	P.10
				COLOUR	P.10
				TINT	P.10
		WHITE BALANCE	P.10	–	–
		VNR	P.15	–	–
		PICTURE BOOSTER	P.10	–	–
	SOUND	AI VOLUME	P.13	–	–
		SOUND MODE	P.12	–	–
		EQUALIZER	P.13	–	–
		BALANCE	P.12	–	–
		CINEMA SURROUND	P.13	–	–
		SUPER BASS	P.13	–	–
	FEATURES	DVD MENU	P.14	AUTO SIGNAL DETECT	P.14
				DVD PICTURE MODE	P.14
				TINT COLOUR	P.14
				WHITE BALANCE	P.14
				SOUND MODE	P.14
				CINEMA SURROUND	P.14
		OFF TIMER	P.15	–	–
		CHILD LOCK	P.15	–	–
		COMPRESS (16:9)	P.11	–	–
		AI ECO SENSOR	P.11	–	–
	INSTALL	SETUP TOUR	P.16	–	–
		AUTO PROGRAM	P.17	–	–
		EDIT/MANUAL	P.17	DELETE, MOVE, MANUAL, INSERT	P.17-P.18
		COLOUR SYSTEM	P.9	–	–
		LANGUAGE	P.15	LANGUAGE	P.15
		VIDEO-2 SETTING	P.16	–	–
		BLUE BACK	P.11	–	–
	EXIT	–	–	–	–

Note

e MENU,
e DISPLAY/
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EXIT menu
DEO/EXIT
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button ❸ to
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-21M335 only, which are used for explanation purpose.

No.	Button/terminal	Description	Page
❶	⏻ (main power)	Press to turn on or turn off the TV's main power.	–
❷	POWER lamp	Indicate the TV is being turned on or off. No colour : TV's main power is being turned off. Red : TV's main power is being turned on. Note: When you turn off the power switch while TV is in standby mode, the light of power lamp will be off in 10 -15 seconds.	–
❸	ECO sensor		–
❹	Remote control sensor		–
❺	VOLUME -/+	Press to adjust the volume level.	–
❻	CHANNEL -/+	Press to select the desired channel.	–
❼	MENU	Press to display the menu.	–
❽	IN (VIDEO-3)	Video and audio input jacks for VIDEO-3 mode.	20
❾	🎧	Headphone jack.	20
❿	⊤	Aerial socket.	7
⓫	OUTPUT	Video and audio output jacks. (The component video signal cannot be output.)	20
⓬	COMPONENT (VIDEO-2) INPUT	Video or component video, and audio input jacks for VIDEO-2 mode. You can select the input signal by setting the "VIDEO-2 SETTING" function (see page 16).	20
⓭	VIDEO-1 INPUT	Video or S-VIDEO, and audio input jacks for VIDEO-1 mode	7
⓮	BASS SPEAKER OUT	Twin Port Bass Blaster Unit output terminal.	21

How to operate the menus with the TV button

TV button	Work as same as the button on the remote control unit	Note
MENU	MENU/OK button	To display main menu and exit menu after finish setting.
CHANNEL -/+	▼/▲ button	To select menu function.
VOLUME -/+	◄/► button	To adjust the desired function.

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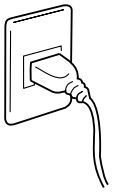
2 Connecting the compatible main plug to the AC outlet.



3 Inserting batteries into the remote control.

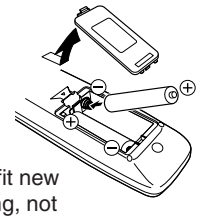
Insert two batteries by following the ⊕ and ⊖ polarities and inserting the ⊖ end first.

CAUTION:

Follow the cautions printed on the batteries.

Notes:

- Use AA/R6/UM-3 dry cell batteries.
- If the remote control does not work properly, fit new batteries. The supplied batteries are for testing, not regular use.



4 Turn on the TV by pressing the main power button.

JVC logo appears on the screen.

JVC logo will appear on the screen again at the phase of “SETUP TOUR RESTART?” function. Then the initial setting can be performed according to page 8.

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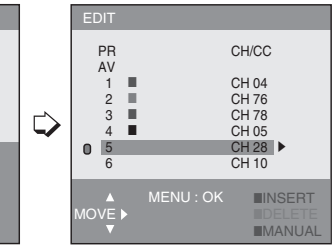
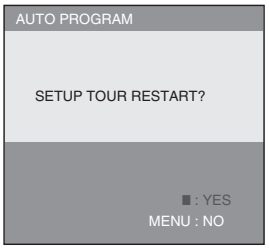
or 15 seconds, then operate the TV by following the steps as below:



- To complete the initial setting, press the MENU/OK button. To edit the channel list, see page 17.



- After that, when turn on the TV at the next time. “SETUP TOUR RESTART?” will be displayed. Press the MENU/OK button to cancel the SETUP TOUR RESTART function. If you want to make initial settings again when the next time you turn on the TV, press the Red button to activate the SETUP TOUR RESTART function.

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e table

	System
,	PAL
	PAL
	PAL
	SECAM
	NTSC
	SECAM
	PAL
	PAL
	PAL
	PAL
	PAL
	PAL
	SECAM

PICTURE MODE

You can choose the desired picture setting with one-touch. Press the PICTURE MODE button to select a setting.

SOFT	Softens contrast and sharpness.
BRIGHT	Heightens contrast and sharpness.
STANDARD	Standard picture setting.
USER	You can change this picture setting as you like. Select USER and adjust following items in the PICTURE SETTING menu. (CONTRAST, BRIGHT, SHARP, COLOUR, TINT*)

When you select to VIDEO-2 Mode. You cannot adjust SHARP and TINT.

*TINT can only be adjusted in NTSC system.

To operate this function with a menu:

✳ (MENU) ➡ (PICTURE menu) ➡ (PICTURE MODE)

To return the USER setting to the default, press the blue button when the PICTURE SETTING menu appears.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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WHITE BALANCE

You can change the white balance of the picture to better match the type of video being viewed.
Select the WHITE BALANCE in the PICTURE menu, then choose the desired setting.

✳ (MENU) ➔ (PICTURE menu) ➔ (WHITE BALANCE)

NORMAL	Normal white balance.
COOL	Bluish white.
WARM	Reddish white.

When you select to VIDEO-2. You cannot adjust WHITE BALANCE. You can adjust it in DVD Menu.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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BLUE BACK

You can set the TV to automatically change to a blue screen and mute the sound if the signal is weak or absent, or when there is no input from an antenna.

Select the BLUE BACK in the INSTALL menu, then choose ON or OFF.

✳ (MENU) ➔ (INSTALL menu) ➔ (BLUE BACK)

If you wish to continue viewing the poor picture, cancel the BLUE BACK function.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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	System
,	B/G
	D/K
	I
	B/G
	M
	D/K
	D/K
	B/G
	I
	B/G
	I
	B/G
	B/G

SOUND MODE

You can choose the desired sound setting.
Select the SOUND MODE in SOUND menu, then choose the setting.

✳ (MENU) ➡ (SOUND menu) ➡ (SOUND MODE)

USER	You can change this sound setting as you like. Select USER and adjust the frequencies in EQUALIZER (100, 300, 1K, 3K, 8K Hz). For details, see “EQUALIZER” on page 13.
SOUND TURBO	Emphasize on low and high frequency levels.
THEATER	Emphasize on movie sound.
MUSIC	Emphasize on music effect.
NEWS	Emphasize on vocal sound.

When you select to VIDEO-2. You cannot adjust SOUND MODE function. You can adjust it in DVD Menu.

BALANCE

You can adjust the volume balance between the left and right speakers.
Select the BALANCE in SOUND menu, then adjust the setting.

✳ (MENU) ➡ (SOUND menu) ➡ (BALANCE)

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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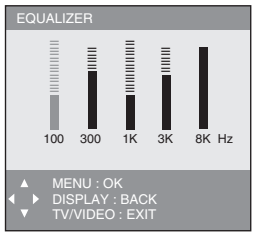
EQUALIZER

You can adjust the sound level of each frequencies when selecting USER mode in SOUND MODE.

1 Select the USER in SOUND MODE under SOUND menu.
✳ (MENU) ➔ (SOUND menu) ➔ (SOUND MODE) ➔ (USER)

2 Select the EQUALIZER in SOUND menu.
✳ (MENU) ➔ (SOUND menu) ➔ (EQUALIZER)

The following display appears.



3 Select and adjust the desired frequencies.

4 Press the MENU/OK button to exit the menu.

Adjust high frequency will affect higher pitch sound and vice versa.

AI VOLUME

You can adjust the volume of all the channels and video inputs to the same level automatically depends on the strength of signal of the sources.

Select the AI VOLUME in SOUND menu, then choose ON or OFF.

✳ (MENU) ➔ (SOUND menu) ➔ (AI VOLUME)

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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WHITE BALANCE

You can change the white balance of the DVD picture.
Select the WHITE BALANCE in DVD MENU under FEATURES menu, then choose the desired setting.

✳(MENU) ➡ (FEATURES menu) ➡ (DVD MENU) ➡ (WHITE BALANCE)

For details, see “WHITE BALANCE” on page 10.

SOUND MODE

You can choose the desired sound setting for the DVD.
Select the SOUND MODE in DVD MENU under FEATURES menu, then choose the desired setting.

✳(MENU) ➡ (FEATURES menu) ➡ (DVD MENU) ➡ (SOUND MODE)

For details, see “SOUND MODE” on page 12.

CINEMA SURROUND

You can enjoy an enhanced sound for the DVD.
Select the CINEMA SURROUND in DVD MENU under FEATURES menu, then choose the desired setting.

✳(MENU) ➡ (FEATURES menu) ➡ (DVD MENU) ➡ (CINEMA SURROUND)

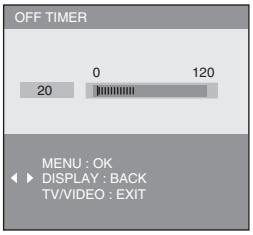
For details, see “CINEMA SURROUND” on page 13.
This function is not available when the SOUND MODE is set to SOUND TURBO.

✳✳ When you use VIDEO-2 to display the DVD signal or Video signal then WHITE BALANCE, VNR function in PICTURE menu/SHARP, TINT function in PICTURE SETTING menu/ SOUND MODE, CINEMA SURROUND function in SOUND menu can’t operate.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

OFF TIMER

You can set the TV to turn off automatically to standby mode after a set time.
Press the OFF TIMER button to select a desired period of time.



You can set the period of time to a maximum of 120 minutes in 10 minutes step.

To operate this function with a menu:
✳ (MENU) ➔ (FEATURES menu) ➔ (OFF TIMER)

When the elapsed of time left one minute, “GOOD NIGHT!” appears on the screen.
You can display the OFF TIMER menu again to confirm or change the remaining time.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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DISPLAY

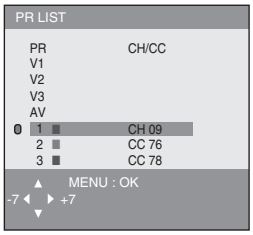
You can display the programme number, video terminal number and PR list on the screen.
Press the DISPLAY button to select the desired mode:

ON → OFF → PR LIST

Choose a TV channel or a VIDEO terminal.

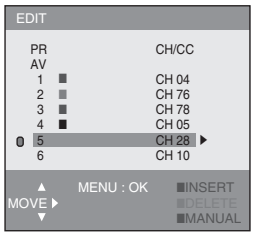
1 Press the DISPLAY button to display the PR LIST.

2 Select a programme number or video terminal by pressing the ▲/▼ button to move up/down on the programme number or press the ◄/► button to skip for each 7 programme numbers, then press MENU/OK button.



✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

2 Choose EDIT/MANUAL, then press the MENU/OK button.
EDIT menu appears.



3 Choose the channel which you want to register.

4 Press the blue button to activate the MANUAL function.
The sound system of the channel appears at the right of the CH//CC number.

5 Press the ► button to choose an appropriate sound system.
For details, see “SOUND SYSTEM” on page 12.

6 Press the green or red button to search for the TV channel.
Searching stops when a channel is found and displayed.

7 Repeat step 5 until your desired TV channel appears.

If the reception is poor	Press the blue or yellow button to fine tune the TV channel.
If noisy sound is heard	Press the ► button to choose an appropriate sound system.

8 Press the MENU/OK button to exit the menu.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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To add in the new channel (INSERT in the EDIT menu)

You can add in the new channel in the TV channel list as you like. You need to find the “CH/CC” number for the TV channel. Find the “CH/CC” number corresponding to the channel number of the TV channel from the attached sheet “CH/CC number list” on page 19.

1 Display the INSTALL menu.
✳ (MENU) ➡ (INSTALL menu)

2 Choose EDIT/MANUAL, then press the MENU/OK button.
EDIT menu appears.

3 Choose the PR number for which you will register a new TV channel. When you add a new TV channel of NTSC-M system, press the SOUND SYSTEM button to change the sound system to M. Then proceed to the next step.

4 Press the green button, then press ► buttons to choose “CC” or “CH”.

5 Press the number button to enter the remaining CH/CC number.
The TV starts to search the TV channel, and the picture of the TV channel appears. If the TV finds no TV channel, a noisy picture appears.

When a TV channel has already been registered in PR99, using the INSERT function deletes that TV channel.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

US	CCIR	OIRT	AUSTRALIA
S-33, W+48	E33		AU-34
S-34, W+49	E34		AU-35
S-35, W+50	E35		AU-36
S-36, W+51	E36		AU-37
S-37, W+52	E37		AU-38
S-38, W+53	E38		AU-39/AU-40
S-39, W+54	E39		AU-41
S-40, W+55	E40		AU-42
S-41, W+56	E41		AU-43
S-42, W+57	E42		AU-44
S-43, W+58	E43		AU-45
S-44, W+59	E44		AU-46
S-45, W+60	E45		AU-47/AU-48
S-46, W+61	E46		AU-49
S-47, W+62	E47		AU-50
S-48, W+63	E48		AU-51
S-49, W+64	E49		AU-52
S-50, W+65	E50		AU-53
S-51, W+66	E51		AU-54
S-52, W+67	E52		AU-55/AU-56
S-53, W+68	E53		AU-57
S-54, W+69	E54		AU-58
S-55, W+70	E55		AU-59
S-56, W+71	E56		AU-60
S-57, W+72	E57		AU-61
S-58, W+73	E58		AU-62
S-59, W+74	E59		AU-63/AU-64
S-60, W+75	E60		AU-65
S-61, W+76	E61		AU-66
S-62, W+77	E62		AU-67
S-63, W+78	E63		AU-68
S-64, W+79	E64		AU-69
S-65, W+80	E65		
S-66, W+81	E66		
S-67, W+82	E67		
S-68, W+83	E68		
S-69, W+84	E69		

US	CCIR	OIRT	AUSTRALIA
	S-1		AU-5
	S-2		
	S-3		
	S-4		
	S-5		
	S-6		AU-5A
	S-7		
	S-8		
	S-9		
	S-10		
	S-11		
	S-12		
	S-13		
A	S-14		
B	S-15		
C	S-16		
D	S-17		

CC	US	CCIR	OIRT	AUSTRALIA
CC 18	E	S-18		
CC 19	F	S-19		
CC 20	G	S-20		
CC 21	H	S-21		
CC 22	I	S-22		
CC 23	J	S-23		
CC 24	K	S-24		
CC 25	L	S-25		
CC 26	M	S-26		
CC 27	N	S-27		
CC 28	O	S-28		
CC 29	P	S-29		
CC 30	Q	S-30		
CC 31	R	S-31		
CC 32	S	S-32		
CC 33	T	S-33		
CC 34	U	S-34		
CC 35	V	S-35		
CC 36	W	S-36		
CC 37	W+1	S-37		
CC 38	W+2	S-38		
CC 39	W+3	S-39		
CC 40	W+4	S-40		
CC 41	W+5	S-41		
CC 42	W+6			
CC 43	W+7			
CC 44	W+8			
CC 45	W+9			
CC 46	W+10			
CC 47	W+11			
CC 48	W+12			
CC 49	W+13			
CC 50	W+14			
CC 51	W+15			
CC 52	W+16			
CC 53	W+17			
CC 54	W+18			
CC 55	W+19			
CC 56	W+20			
CC 57	W+21			
CC 58	W+22			
CC 59	W+23			
CC 60	W+24			
CC 61	W+25			
CC 62	W+26			
CC 63	W+27			
CC 64	W+28			
CC 75		X		
CC 76		Y	R3	
CC 77		Z	R4	AU-3
CC 78		Z+1	R5	
CC 79		Z+2		AU-4
CC 95	A-5			
CC 96	A-4			
CC 97	A-3			
CC 98	A-2			
CC 99	A-1			

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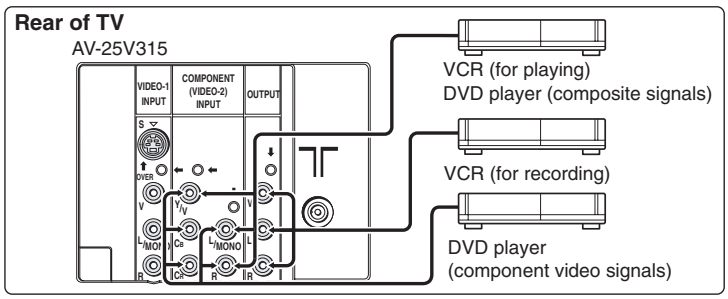
TV game

Connecting to rear component/video input terminal and output terminal



When you use VIDEO-1 INPUT, you should choose to connect S-VIDEO or video input. If S-VIDEO connector and video input are connected at the same time, no picture displays on the screen and the message “PLEASE DISCONNECT VIDEO-1 CABLE!” appears. In this case, you should disconnect either S-VIDEO or video input.
When connecting to COMPONENT (VIDEO-2) input, depending on the connection, choose the appropriate video input using the menu (see page 16).

Unit

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Blaster unit

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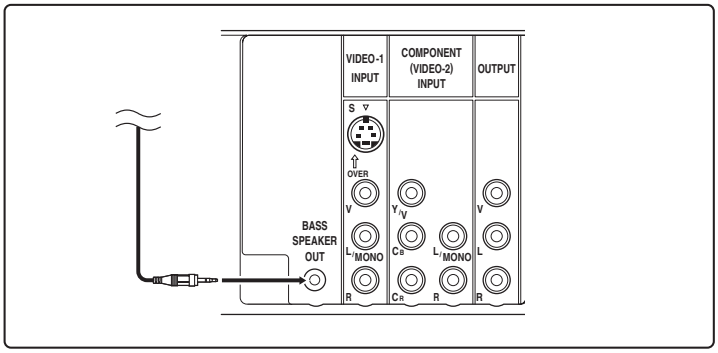
2 Firmly insert the Twin Port Bass Blaster Unit connector into the BASS SPEAKER OUT terminal.



CAUTION:

The Twin Port Bass Blaster Unit is just placed on top of the TV and is not held in place by a screw. When using the unit, pay attention to the following cautions. Otherwise, the unit or TV may fall over and be damaged, or cause unexpected injury.

- Do not rest your hands or elbows on the Twin Port Bass Blaster Unit.
- Do not move the TV with the Twin Port Blaster Unit mounted on top of the TV. Before you move the TV, be sure to remove the unit.
- Do not move the TV by holding the Twin Port Bass Blaster Unit.

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• Colour patches appear at the corner of the screen	• This may due to the magnetized device such as a speaker near to your TV. Keep the device apart from your TV. Alternately, you can also use the magnetic-shielded speaker.
• Image takes a short period to be displayed	• Image required time to stabilize before display. This is not a malfunction.
• TV may emitted crackling sound	• This is due to a sudden change in temperature and it is not a malfunction. If the crackling sound is too frequent, request your service technician for inspection.
• Feel a slight electric shock when touching the TV screen	• This is due to the static electricity of the picture tube and it will not harm the human body. This is not a malfunction.
• After you connect the signal to VIDEO-2 and playback VCR or DVD Player, the Auto Detect does not work.	• Please check that the AUTO SIGNAL DETECT function is on or off. • Press button (VCR or DVD Player) to turn the machine off and turn it on again; do not turn the machine off and on suddenly. • Inspect the video cable connection on VIDEO-2 that they are connected properly.
• When you are watching another channel that is not VIDEO-2, AUTO SIGNAL DETECT works while VCR or DVD Player was on.	• Inspect the video cable connection on VIDEO-2 that they are connected properly. • In a certain VCR or DVD Player, the function might operate by the discontinuity of the signal.
• While you are watching TV on the other channels, AUTO SIGNAL DETECT works when you press ◄◄, ■, ►, ►► or ▮▮ on the front panel of VCR or DVD Player.	• In a certain VCR or DVD Player, the function might operate by the discontinuity of the signal.
• After TV was on, AUTO SIGNAL DETECT works.	• Video signal from VCR or DVD Player cause the function runs properly to indicate that there are video signal on VIDEO-2 channel.

M315	AV-21V315	AV-25M335	AV-25M315	AV-25V315
B, G, I, D, K, M				
PAL, SECAM, NTSC 3.58 MHz, NTSC 4.43 MHz				
6.25 to 140.25 MHz 147.25 to 423.25 MHz 5 to 863.25 MHz mid band (X to Z, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41)				
10 to 240 V, 50/60 Hz (operating AC 90 to 260 V, 50/60 Hz)				
112 W 80 W	MAX: 112 W AVG: 80 W	MAX: 167 W AVG: 109 W	MAX: 132 W AVG: 92 W	MAX: 132 W AVG: 92 W
: 546.9 mm a: 508 mm	Picture tube: 546.9 mm Visible area: 508 mm	Picture tube: 649 mm Visible area: 600 mm	Picture tube: 649 mm Visible area: 600 mm	Picture tube: 649 mm Visible area: 600 mm
+ 7 W	7 W + 7 W	7 W + 7 W + 13 W	7 W + 7 W	7 W + 7 W
) cm X 2	(6.5 x 13) cm X 2	(6.5 x 13) cm X 2 (Ø 13) cm X 1	(6.5 x 13) cm X 2	(6.5 x 13) cm X 2
t, VIDEO input, AUDIO L/R input VIDEO input, AUDIO L/R input, COMPONENT VIDEO ($Y/C_B/C_R$) input AUDIO L/R input AUDIO L/R output mini jack (3.5 mm diameter)				
X 469.2 mm	649 X 465.5 X 473.5 mm	728 X 549.8 X 476.5 mm	728 X 536 X 476.5 mm	728 X 536 X 481.5 mm
kg	24 kg	34.4 kg	32 kg	32 kg
M-C1286 X 1 attery X 2 r X 1				

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JVC

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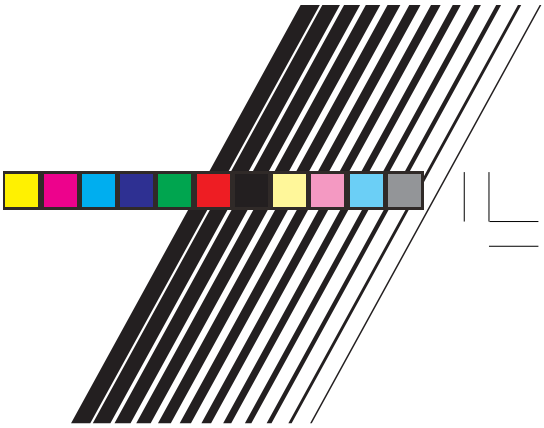

EQUALIZER • CINEMA SURROUND • COMPONENT INPUT

Contents

Knowing your TV's features 3
Remote control buttons and basic functions 4
TV buttons and functions 6
Setting up your TV 7
Basic setting for picture 9
Advanced setting for picture 11
Basic setting for sound 12
Advanced setting for sound 13
DVD function 14
Customized setting 15
TV channel presetting 17
Additional preparation 20
Troubleshooting 22
Specifications 23

INSTRUCTIONS

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for buying this JVC colour television.
your new TV, please read this manual thoroughly before you begin.

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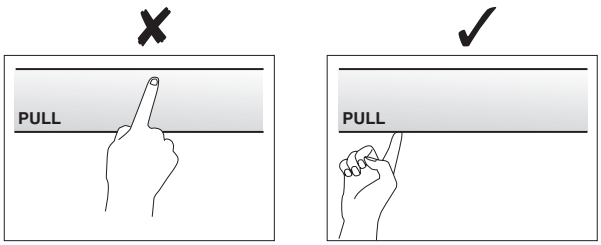
areful with it
d, wipe it
cleaner or

7 If you are not going to use this TV for a long period of time, be sure to disconnect the AC plug from the AC socket.
8 The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING: <AV-21M, AV-25M Series>
YOU CAN DETACH THE PROTECT SHEET ON THE TOP AND BOTTOM OF FRONT FRAME IF YOU NEEDED.
THE FRONT BUTTON DOOR OF THE TV SHOULD BE PULLED OUT FROM ITS BOTTOM. DO NOT PRESS THE UPPER PART, OR YOUR FINGER MAY BE PINCHED.



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ust connect DVD player to the television. The television will detect DVD signal and display icture on the screen automatically and you can adjust pictures and sound while you are atching DVD as your desire.
ou can listen to the stereo sound or bilingual sound from TV programme broadcasting by A2 r NICAM Sound-multiplex system.
ou can register up to four favorite channels for quick recall with one press.
V detects the brightness of your room and automatically adjust the picture brightness to a uitable level for a better eye care.
V adjusts the volume automatically to the same level for all TV channels to avoid sudden hange of the volume when selecting different TV channel or selecting Video Mode.
ou can reduce the picture noise when viewing noisy TV programmes or video sources.
ou can choose one of three tones of white to match to the video source such as movie, port, etc. Changing White balance affects the appearance of all other colours on the creen.

ons

this instruction manual may not be available for your TV.
w and check the functions that are equipped for your TV's model number. The l at the rear of your TV. When you press a button concerned to a function that is t does not work and the logo "Ø" appears on the screen.

Model No.	AV-25M515	AV-25M315	AV-21M535	AV-21M515	AV-21M315	AV-21V315
	–	–	○	–	–	–

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nd basic functions

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ction.

ton to EXIT from the menu.

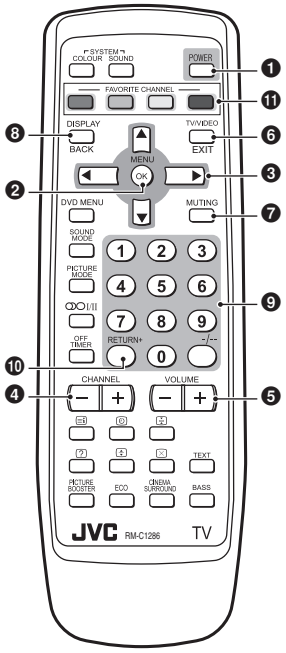
olume.
o terminal number, stereo/bilingual broadcast system

R list.
splay the PR list.
se a channel, then press the MENU/OK button.
n the PR list. The channels set to favorite channels are

ton to return to the previous menu.
digits programme number, press -/--, then press the

l with one touch.
egister.
until “RETURN PLUS PROGRAMMED!” appears.
button until “RETURN PLUS CANCELED!” appears.
nnel, if you have not set or have cancelled the Return

egister then press and hold a colour button until
MMED!" appears.
epeat step 1.
colour button.
rite channel function is not available.



continued)

Note
e MENU, e DISPLAY/ utton ❽ or EXIT menu DEO/EXIT .
button ❸ to he next page functions.
–
e TV/VIDEO/ ton ❻ to the menu.
–

his manual,

	Top menu	2nd menu	Location	3rd menu	Location
MENU	PICTURE	PICTURE MODE	P.9	–	–
		PICTURE SETTING	P.10	CONTRAST	P.10
				BRIGHT	P.10
				SHARP	P.10
				COLOUR	P.10
				TINT	P.10
		WHITE BALANCE	P.10	–	–
		VNR	P.15	–	–
	SOUND	STEREO/**I•II**	P.13	–	–
		AI VOLUME	P.13	–	–
		SOUND MODE	P.12	–	–
		EQUALIZER	P.13	–	–
		BALANCE	P.12	–	–
		CINEMA SURROUND	P.13	–	–
		SUPER BASS	P.13	–	–
	FEATURES	DVD MENU	P.14	AUTO SIGNAL DETECT	P.14
				DVD PICTURE MODE	P.14
				TINT COLOUR	P.14
				WHITE BALANCE	P.14
				SOUND MODE	P.14
				CINEMA SURROUND	P.14
		OFF TIMER	P.15	–	–
		CHILD LOCK	P.15	–	–
		COMPRESS (16:9)	P.11	–	–
		AI ECO SENSOR	P.11	–	–
	INSTALL	SETUP TOUR	P.16	–	–
		AUTO PROGRAM	P.17	–	–
		EDIT/MANUAL	P.17	DELETE, MOVE, MANUAL, INSERT	P.17-P.18
		COLOUR SYSTEM	P.9	–	–
		LANGUAGE	P.15	LANGUAGE	P.15
		VIDEO-2 SETTING	P.16	–	–
		BLUE BACK	P.11	–	–
	EXIT	–	–	–	–

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-21V315 only, which are used for explanation purpose.

No.	Button/terminal	Description	Page
❶	⏻ (main power)	Press to turn on or turn off the TV's main power.	–
❷	POWER lamp	Indicate the TV is being turned on or off. No colour : TV's main power is being turned off. Red : TV's main power is being turned on. Note: When you turn off the power switch while TV is in standby mode, the light of power lamp will be off in 10 -15 seconds.	–
❸	ECO sensor		–
❹	Remote control sensor		–
❺	VOLUME -/+	Press to adjust the volume level.	–
❻	CHANNEL -/+	Press to select the desired channel.	–
❼	MENU	Press to display the menu.	–
❽	IN (VIDEO-3)	Video and audio input jacks for VIDEO-3 mode.	20
❾	🎧	Headphone jack.	20
❿	⊤	Aerial socket.	7
⓫	OUTPUT	Video and audio output jacks. (The component video signal cannot be output.)	20
⓬	COMPONENT (VIDEO-2) INPUT	Video or component video, and audio input jacks for VIDEO-2 mode. You can select the input signal by setting the "VIDEO-2 SETTING" function (see page 16).	20
⓭	VIDEO-1 INPUT	Video or S-VIDEO, and audio input jacks for VIDEO-1 mode	7
⓮	BASS SPEAKER OUT	Twin Port Bass Blaster Unit output terminal.	21

How to operate the menus with the TV button

TV button	Work as same as the button on the remote control unit	Note
MENU	MENU/OK button	To display main menu and exit menu after finish setting.
CHANNEL -/+	▼/▲ button	To select menu function.
VOLUME -/+	◄/► button	To adjust the desired function.

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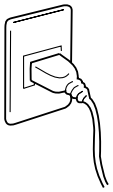
s your TV.

2 Connecting the compatible main plug to the AC outlet.



3 Inserting batteries into the remote control.

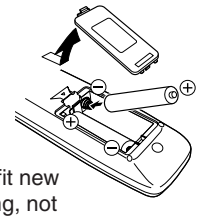
Insert two batteries by following the ⊕ and ⊖ polarities and inserting the ⊖ end first.

CAUTION:

Follow the cautions printed on the batteries.

Notes:

- Use AA/R6/UM-3 dry cell batteries.
- If the remote control does not work properly, fit new batteries. The supplied batteries are for testing, not regular use.



4 Turn on the TV by pressing the main power button.

JVC logo appears on the screen.

JVC logo will appear on the screen again at the phase of “SETUP TOUR RESTART?” function. Then the initial setting can be performed according to page 8.

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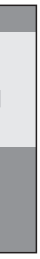
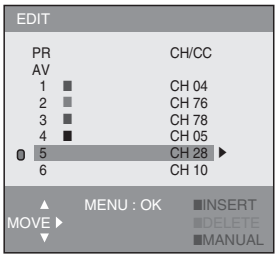
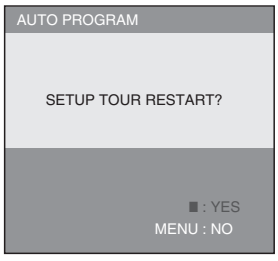
or 15 seconds, then operate the TV by following the steps as below:





- To complete the initial setting, press the MENU/OK button. To edit the channel list, see page 17.



- After that, when turn on the TV at the next time. “SETUP TOUR RESTART?” will be displayed.
  Press the MENU/OK button to cancel the SETUP TOUR RESTART function.
  If you want to make initial settings again when the next time you turn on the TV, press the Red button to activate the SETUP TOUR RESTART function.

picture is

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For the colour system in each country or region, see the table below:

Area	Country or Region	System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, etc. Indonesia, Malaysia, Singapore, Thailand, India, etc.	PAL
	China, Vietnam, etc.	PAL
	Hong Kong, etc.	PAL
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	SECAM
	Philippines, Taiwan, Myanmar, etc.	NTSC
Europe	Russia, etc.	SECAM
	Czech Republic, Poland, etc.	PAL
	Germany, Holland, Belgium, etc.	PAL
	UK, etc.	PAL
Oceania	Australia, New Zealand, etc.	PAL
Africa	Republic of South Africa, etc.	PAL
	Nigeria, etc.	PAL
	Egypt, Morocco, etc.	SECAM

PICTURE MODE

You can choose the desired picture setting with one-touch.
Press the PICTURE MODE button to select a setting.

SOFT	Softens contrast and sharpness.
BRIGHT	Heightens contrast and sharpness.
STANDARD	Standard picture setting.
USER	You can change this picture setting as you like. Select USER and adjust following items in the PICTURE SETTING menu. (CONTRAST, BRIGHT, SHARP, COLOUR, TINT*)

When you select to VIDEO-2 Mode. You cannot adjust SHARP and TINT.

*TINT can only be adjusted in NTSC system.

To operate this function with a menu:

✳ (MENU) ➔ (PICTURE menu) ➔ (PICTURE MODE)

To return the USER setting to the default, press the blue button when the PICTURE SETTING menu appears.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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WHITE BALANCE

You can change the white balance of the picture to better match the type of video being viewed.
Select the WHITE BALANCE in the PICTURE menu, then choose the desired setting.

* (MENU) ➔ (PICTURE menu) ➔ (WHITE BALANCE)

NORMAL	Normal white balance.
COOL	Bluish white.
WARM	Reddish white.

When you select to VIDEO-2. You cannot adjust WHITE BALANCE. You can adjust it in DVD Menu.

* About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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BLUE BACK

You can set the TV to automatically change to a blue screen and mute the sound if the signal is weak or absent, or when there is no input from an antenna.

Select the BLUE BACK in the INSTALL menu, then choose ON or OFF.

✳ (MENU) ➡ (INSTALL menu) ➡ (BLUE BACK)

If you wish to continue viewing the poor picture, cancel the BLUE BACK function.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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e table

	System
,	B/G
	D/K
	I
	B/G
	M
	D/K
	D/K
	B/G
	I
	B/G
	I
	B/G
	B/G

SOUND MODE

You can choose the desired sound setting.
Select the SOUND MODE in SOUND menu, then choose the setting.

✳ (MENU) ➡ (SOUND menu) ➡ (SOUND MODE)

USER	You can change this sound setting as you like. Select USER and adjust the frequencies in EQUALIZER (100, 300, 1K, 3K, 8K Hz). For details, see “EQUALIZER” on page 13.
SOUND TURBO	Emphasize on low and high frequency levels.
THEATER	Emphasize on movie sound.
MUSIC	Emphasize on music effect.
NEWS	Emphasize on vocal sound.

When you select to VIDEO-2. You cannot adjust SOUND MODE function. You can adjust it in DVD Menu.

BALANCE

You can adjust the volume balance between the left and right speakers.
Select the BALANCE in SOUND menu, then adjust the setting.

✳ (MENU) ➡ (SOUND menu) ➡ (BALANCE)

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

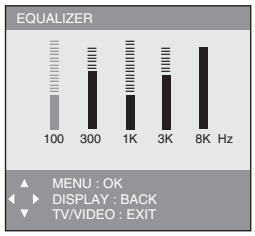
EQUALIZER

You can adjust the sound level of each frequencies when selecting USER mode in SOUND MODE.

1 Select the USER in SOUND MODE under SOUND menu.
✳ (MENU) ➔ (SOUND menu) ➔ (SOUND MODE) ➔ (USER)

2 Select the EQUALIZER in SOUND menu.
✳ (MENU) ➔ (SOUND menu) ➔ (EQUALIZER)

The following display appears.



3 Select and adjust the desired frequencies.

4 Press the MENU/OK button to exit the menu.

Adjust high frequency will affect higher pitch sound and vice versa.

AI VOLUME

You can adjust the volume of all the channels and video inputs to the same level automatically depends on the strength of signal of the sources.

Select the AI VOLUME in SOUND menu, then choose ON or OFF.

✳ (MENU) ➔ (SOUND menu) ➔ (AI VOLUME)

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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WHITE BALANCE

You can change the white balance of the DVD picture.
Select the WHITE BALANCE in DVD MENU under FEATURES menu, then choose the desired setting.

✳ (MENU) ➡ (FEATURES menu) ➡ (DVD MENU) ➡ (WHITE BALANCE)

For details, see “WHITE BALANCE” on page 10.

SOUND MODE

You can choose the desired sound setting for the DVD.
Select the SOUND MODE in DVD MENU under FEATURES menu, then choose the desired setting.

✳ (MENU) ➡ (FEATURES menu) ➡ (DVD MENU) ➡ (SOUND MODE)

For details, see “SOUND MODE” on page 12.

CINEMA SURROUND

You can enjoy an enhanced sound for the DVD.
Select the CINEMA SURROUND in DVD MENU under FEATURES menu, then choose the desired setting.

✳ (MENU) ➡ (FEATURES menu) ➡ (DVD MENU) ➡ (CINEMA SURROUND)

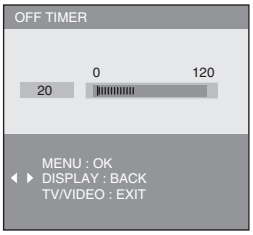
For details, see “CINEMA SURROUND” on page 13.
This function is not available when the SOUND MODE is set to SOUND TURBO.

✳✳ When you use VIDEO-2 to display the DVD signal or Video signal then WHITE BALANCE, VNR function in PICTURE menu/SHARP, TINT function in PICTURE SETTING menu/ SOUND MODE, CINEMA SURROUND function in SOUND menu cannot operate.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

OFF TIMER

You can set the TV to turn off automatically to standby mode after a set time.
Press the OFF TIMER button to select a desired period of time.



You can set the period of time to a maximum of 120 minutes in 10 minutes step.

To operate this function with a menu:
✳ (MENU) ➔ (FEATURES menu) ➔ (OFF TIMER)

When the elapsed of time left one minute, “GOOD NIGHT!” appears on the screen.
You can display the OFF TIMER menu again to confirm or change the remaining time.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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DISPLAY

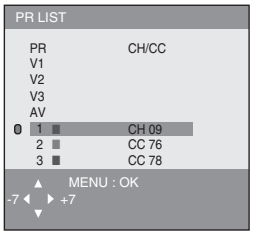
You can display the programme number, video terminal number and PR list on the screen.
Press the DISPLAY button to select the desired mode:

ON → OFF → PR LIST

Choose a TV channel or a VIDEO terminal.

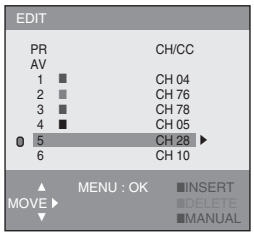
1 Press the DISPLAY button to display the PR LIST.

2 Select a programme number or video terminal by pressing the ▲/▼ button to move up/down on the programme number or press the ◄/► button to skip for each 7 programme numbers, then press MENU/OK button.



✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

2 Choose EDIT/MANUAL, then press the MENU/OK button.
EDIT menu appears.



3 Choose the channel which you want to register.

4 Press the blue button to activate the MANUAL function.
The sound system of the channel appears at the right of the CH/CC number.

5 Press the ► button to choose an appropriate sound system.
For details, see “SOUND SYSTEM” on page 12.

6 Press the green or red button to search for the TV channel.
Searching stops when a channel is found and displayed.

7 Repeat step 5 until your desired TV channel appears.

If the reception is poor	Press the blue or yellow button to fine tune the TV channel.
If noisy sound is heard	Press the ► button to choose an appropriate sound system.

8 Press the MENU/OK button to exit the menu.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

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To add in the new channel (INSERT in the EDIT menu)

You can add in the new channel in the TV channel list as you like. You need to find the “CH/CC” number for the TV channel. Find the “CH/CC” number corresponding to the channel number of the TV channel from the attached sheet “CH/CC number list” on page 19.

1 Display the INSTALL menu.
✳ (MENU) ➡ (INSTALL menu)

2 Choose EDIT/MANUAL, then press the MENU/OK button.
EDIT menu appears.

3 Choose the PR number for which you will register a new TV channel. When you add a new TV channel of NTSC-M system, press the SOUND SYSTEM button to change the sound system to M. Then proceed to the next step.

4 Press the green button, then press ► buttons to choose “CC” or “CH”.

5 Press the number button to enter the remaining CH/CC number.
The TV starts to search the TV channel, and the picture of the TV channel appears. If the TV finds no TV channel, a noisy picture appears.

When a TV channel has already been registered in PR99, using the INSERT function deletes that TV channel.

✳ About the basic operations of the menu, please see the “How to operate menus and menus locations” on page 5.

US	CCIR	OIRT	AUSTRALIA
S-33, W+48	E33		AU-34
S-34, W+49	E34		AU-35
S-35, W+50	E35		AU-36
S-36, W+51	E36		AU-37
S-37, W+52	E37		AU-38
S-38, W+53	E38		AU-39/AU-40
S-39, W+54	E39		AU-41
S-40, W+55	E40		AU-42
S-41, W+56	E41		AU-43
S-42, W+57	E42		AU-44
S-43, W+58	E43		AU-45
S-44, W+59	E44		AU-46
S-45, W+60	E45		AU-47/AU-48
S-46, W+61	E46		AU-49
S-47, W+62	E47		AU-50
S-48, W+63	E48		AU-51
S-49, W+64	E49		AU-52
S-50, W+65	E50		AU-53
S-51, W+66	E51		AU-54
S-52, W+67	E52		AU-55/AU-56
S-53, W+68	E53		AU-57
S-54, W+69	E54		AU-58
S-55, W+70	E55		AU-59
S-56, W+71	E56		AU-60
S-57, W+72	E57		AU-61
S-58, W+73	E58		AU-62
S-59, W+74	E59		AU-63/AU-64
S-60, W+75	E60		AU-65
S-61, W+76	E61		AU-66
S-62, W+77	E62		AU-67
S-63, W+78	E63		AU-68
S-64, W+79	E64		AU-69
S-65, W+80	E65		
S-66, W+81	E66		
S-67, W+82	E67		
S-68, W+83	E68		
S-69, W+84	E69		

US	CCIR	OIRT	AUSTRALIA
	S-1		AU-5
	S-2		
	S-3		
	S-4		
	S-5		
	S-6		AU-5A
	S-7		
	S-8		
	S-9		
	S-10		
	S-11		
	S-12		
	S-13		
A	S-14		
B	S-15		
C	S-16		
D	S-17		

CC	US	CCIR	OIRT	AUSTRALIA
CC 18	E	S-18		
CC 19	F	S-19		
CC 20	G	S-20		
CC 21	H	S-21		
CC 22	I	S-22		
CC 23	J	S-23		
CC 24	K	S-24		
CC 25	L	S-25		
CC 26	M	S-26		
CC 27	N	S-27		
CC 28	O	S-28		
CC 29	P	S-29		
CC 30	Q	S-30		
CC 31	R	S-31		
CC 32	S	S-32		
CC 33	T	S-33		
CC 34	U	S-34		
CC 35	V	S-35		
CC 36	W	S-36		
CC 37	W+1	S-37		
CC 38	W+2	S-38		
CC 39	W+3	S-39		
CC 40	W+4	S-40		
CC 41	W+5	S-41		
CC 42	W+6			
CC 43	W+7			
CC 44	W+8			
CC 45	W+9			
CC 46	W+10			
CC 47	W+11			
CC 48	W+12			
CC 49	W+13			
CC 50	W+14			
CC 51	W+15			
CC 52	W+16			
CC 53	W+17			
CC 54	W+18			
CC 55	W+19			
CC 56	W+20			
CC 57	W+21			
CC 58	W+22			
CC 59	W+23			
CC 60	W+24			
CC 61	W+25			
CC 62	W+26			
CC 63	W+27			
CC 64	W+28			
CC 75		X		
CC 76		Y	R3	
CC 77		Z	R4	AU-3
CC 78		Z+1	R5	
CC 79		Z+2		AU-4
CC 95	A-5			
CC 96	A-4			
CC 97	A-3			
CC 98	A-2			
CC 99	A-1			

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5 and
e. Your TV

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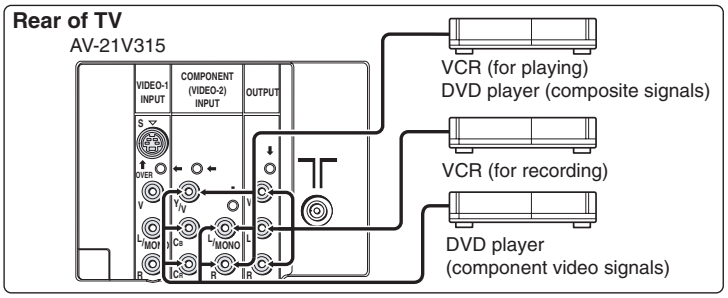
TV game

Connecting to rear component/video input terminal and output terminal



When you use VIDEO-1 INPUT, you should choose to connect S-VIDEO or video input. If S-VIDEO connector and video input are connected at the same time, no picture displays on the screen and the message “PLEASE DISCONNECT VIDEO-1 CABLE!” appears. In this case, you should disconnect either S-VIDEO or video input.
When connecting to COMPONENT (VIDEO-2) input, depending on the connection, choose the appropriate video input using the menu (see page 16).

Unit

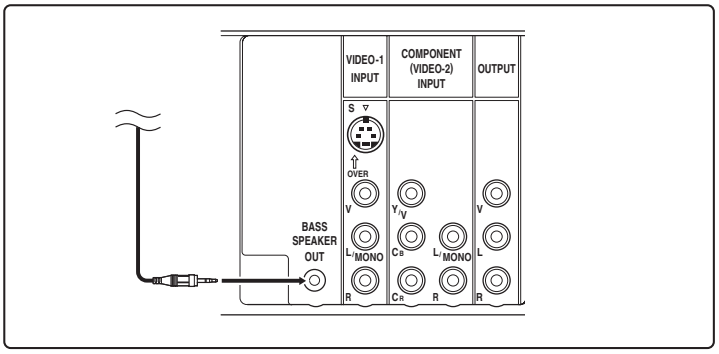
with the
Blaster unit

ess the
o the TV.
ee page

mounting
ole on the

unting pin
may slide
cause

2 Firmly insert the Twin Port Bass Blaster Unit connector into the BASS SPEAKER OUT terminal.



CAUTION:
The Twin Port Bass Blaster Unit is just placed on top of the TV and is not held in place by a screw. When using the unit, pay attention to the following cautions. Otherwise, the unit or TV may fall over and be damaged, or cause unexpected injury.

- Do not rest your hands or elbows on the Twin Port Bass Blaster Unit.
- Do not move the TV with the Twin Port Blaster Unit mounted on top of the TV. Before you move the TV, be sure to remove the unit.
- Do not move the TV by holding the Twin Port Bass Blaster Unit.

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he below

• Colour patches appear at the corner of the screen	• This may due to the magnetized device such as a speaker near to your TV. Keep the device apart from your TV. Alternately, you can also use the magnetic-shielded speaker.
• Image takes a short period to be displayed	• Image required time to stabilize before display. This is not a malfunction.
• TV may emitted crackling sound	• This is due to a sudden change in temperature and it is not a malfunction. If the crackling sound is too frequent, request your service technician for inspection.
• Feel a slight electric shock when touching the TV screen	• This is due to the static electricity of the picture tube and it will not harm the human body. This is not a malfunction.
• After you connect the signal to VIDEO-2 and playback VCR or DVD Player, the Auto Detect does not work.	• Please check that the AUTO SIGNAL DETECT function is on or off. • Press button (VCR or DVD Player) to turn the machine off and turn it on again; do not turn the machine off and on suddenly. • Inspect the video cable connection on VIDEO-2 that they are connected properly.
• When you are watching another channel that is not VIDEO-2, AUTO SIGNAL DETECT works while VCR or DVD Player was on.	• Inspect the video cable connection on VIDEO-2 that they are connected properly. • In a certain VCR or DVD Player, the function might operate by the discontinuity of the signal.
• While you are watching TV on the other channels, AUTO SIGNAL DETECT works when you press ◄◄,■,►,►► or ▮▮ on the front panel of VCR or DVD Player.	• In a certain VCR or DVD Player, the function might operate by the discontinuity of the signal.
• After TV was on, AUTO SIGNAL DETECT works.	• Video signal from VCR or DVD Player cause the function runs properly to indicate that there are video signal on VIDEO-2 channel.

	AV-21V315	AV-25M315
	B, G	
	PAL, SECAM	
	PAL, SECAM, NTSC 3.58 MHz, NTSC 4.43 MHz	
	: 46.25 to 140.25 MHz) : 147.25 to 423.25 MHz .25 to 863.25 MHz in mid band (X to Z, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41)	
	110 to 240 V, 50/60 Hz (operating AC 90 to 260 V, 50/60 Hz)	
	MAX: 112 W AVG: 80 W	MAX: 132 W AVG: 92 W
9 mm mm	Picture tube: 546.9 mm Visible area: 508 mm	Picture tube: 649 mm Visible area: 600 mm
	7 W + 7 W	
	(6.5 x 13) cm X 2	
	ut, VIDEO input, AUDIO L/R input T: VIDEO input, AUDIO L/R input, COMPONENT VIDEO ($Y/C_B/C_R$) input , AUDIO L/R input ut, AUDIO L/R output o mini jack (3.5 mm diameter)	
.2 mm	649 X 465.5 X 473.5 mm	728 X 536 X 476.5 mm
	24 kg	32 kg
	RM-C1286 X 1 battery X 2 ter X 1	

ut notice.

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	AV-25M515	AV-21M535
	B, G, I, D, K, M	
	PAL, SECAM, NTSC 3.58 MHz, NTSC 4.43 MHz	
	: 46.25 to 140.25 MHz) : 147.25 to 423.25 MHz .25 to 863.25 MHz in mid band (X to Z, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41)	
	110 to 240 V, 50/60 Hz (operating AC 90 to 260 V, 50/60 Hz)	
	MAX: 132 W AVG: 92 W	MAX: 134 W AVG: 90 W
9 mm 3 mm	Picture tube: 649 mm Visible area: 600 mm	Picture tube: 546.9 mm Visible area: 508 mm
7 W + 7 W		7 W + 7 W + 13W
(6.5 x 13) cm X 2		(6.5 x 13) cm X 2 (Ø 13) cm X 1
	ut, VIDEO input, AUDIO L/R input IT: VIDEO input, AUDIO L/R input, COMPONENT VIDEO ($Y/C_B/C_R$) input , AUDIO L/R input ut, AUDIO L/R output eo mini jack (3.5 mm diameter)	
.2 mm	728 X 536 X 476.5 mm	649 X 478 X 469.2 mm
	32 kg	26.4 kg
	RM-C1286 X 1 battery X 2 ter X 1	

ut notice.

JVC

0705-FLE-JMT